

Refine Search

Search Results -

Terms	Documents
L13 and L16	2

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Search:

L30

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 side by
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DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD;
 THES=ASSIGNEE; PLUR=YES; OP=OR

L30 113 and 116

2 L30

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L29 ("20030167109" | "US20030167110A")
 [ABPN1,NRPN,PN]

3 L29

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THES=ASSIGNEE; PLUR=YES; OP=OR

L28 L25 2 L28

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THES=ASSIGNEE; PLUR=YES; OP=OR

L25 (propos\$ near5 flight) and ((model\$ or simulat\$) with maintena\$) and ((aircraft or airplane) with routing) and @ad<=20020228 2 L25

L24 (propos\$ near5 flight) and ((model\$ or simulat\$) with maintena\$) and ((aircraft or airplane) with routing) and @pd<=20020228 0 L24

L23 (propos\$ near3 flight) and ((model\$ or simulat\$) with maintena\$) and ((aircraft or airplane) with routing) and @pd<=20020228 0 L23

L22 L21 and ((701/3 |701/29 |701/36 |244/1R |340/500).ccls.) 12 L22

L21 L20 and ((flight\$ or aircraft\$) with rout\$) 92 L21

L20 L19 and (flight\$ with assign\$) 199 L20

L16 aircraft\$ and flight\$ and assign\$ and maintenanc\$ 2546 L16

L15 L13 and maintenanc\$ 2 L15

L14 L13 and rout\$ 6 L14

L13 "pre-flight" same assign\$ 30 L13

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L12 20030167109 1 L12

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THES=ASSIGNEE; PLUR=YES; OP=OR

L11 L10 and ((701/3 |701/29 |701/36 |244/1R |340/500).ccls.) 12 L11

L10 L9 and ((flight\$ or aircraft\$) with rout\$) 92 L10

L9 L8 and (flight\$ with assign\$) 199 L9

L8 L6 or L7 1702 L8

L5 aircraft\$ and flight\$ and assign\$ and maintenanc\$ 2546 L5

<u>L4</u>	L2 and maintenanc\$	2	<u>L4</u>
<u>L3</u>	L2 and rout\$	6	<u>L3</u>
<u>L2</u>	"pre-flight" same assign\$	30	<u>L2</u>
<i>DB=PGPB; THES=ASSIGNEE; PLUR=YES; OP=OR</i>			
<u>L1</u>	20030167109	1	<u>L1</u>

END OF SEARCH HISTORY

[First Hit](#)[Previous Doc](#)[Next Doc](#)[Go to Doc#](#)

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L25: Entry 1 of 2

File: PGPB

Sep 4, 2003

PGPUB-DOCUMENT-NUMBER: 20030167109
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030167109 A1

TITLE: Methods and systems for routing mobile vehicles

PUBLICATION-DATE: September 4, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Clarke, Michael D. D.	Irving	TX	US
Smith, Barry C.	Flower Mound	TX	US

APPL-NO: 10/084313 [PALM]
DATE FILED: February 28, 2002

INT-CL-PUBLISHED: [07] G06F 17/00

INT-CL-CURRENT:

TYPE IPC DATE
CIPP G08 G 5/00 20060101

US-CL-PUBLISHED: 701/3; 701/202
US-CL-CURRENT: 701/3; 701/202

REPRESENTATIVE-FIGURES: 1

ABSTRACT:

The present invention relates to methods and systems for routing mobile vehicles under maintenance and operational constraints. In the case of aircraft, the methods and systems may generate an aircraft routing proposal based on information describing a possible flight of an aircraft, determine a proposed flight assignment for the aircraft based on the generated aircraft routing proposal and complying with the information describing the possible flight of the aircraft, and determine whether the proposed flight assignment meets a decision criterion describing requirements for aircraft routing. If the decision criterion is unmet, the methods and systems may optimize the proposed flight assignment such that the proposed flight assignment meets the decision criterion. The methods and systems may also generate a flight assignment plan using the proposed flight assignment that meets the decision criterion.

[Previous Doc](#)[Next Doc](#)[Go to Doc#](#)

[First Hit](#) [Previous Doc](#) [Next Doc](#) [Go to Doc#](#)
End of Result Set

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L25: Entry 2 of 2

File: DWPI

Feb 28, 2006

DERWENT-ACC-NO: 2003-802198

DERWENT-WEEK: 200616

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TITLE: Aircraft route and schedule maintenance method, involves determining if routing and scheduling maintenance assignment meet decision criterion and generating routing and maintenance plans that meets decision criterion

INVENTOR: CLARKE, M; NESPOULOUS, E ; SMITH, B C

PATENT-ASSIGNEE: CLARKE M (CLARI), NESPOULOUS E (NESPI), SMITH B C (SMITI), SABRE INC (SABRN)

PRIORITY-DATA: 2002US-0270000 (October 15, 2002), 2002US-0084313 (February 28, 2002)

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PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<input type="checkbox"/> US 7006903 B2	February 28, 2006		000	G05D003/00
<input type="checkbox"/> US 20030167110 A1	September 4, 2003		017	G06F019/00

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
US 7006903B2	February 28, 2002	2002US-0084313	CIP of
US 7006903B2	October 15, 2002	2002US-0270000	
US20030167110A1	February 28, 2002	2002US-0084313	CIP of
US20030167110A1	October 15, 2002	2002US-0270000	

INT-CL (IPC): G05D 3/00; G06F 7/00; G06F 19/00

RELATED-ACC-NO: 2003-830421

ABSTRACTED-PUB-NO: US20030167110A

BASIC-ABSTRACT:

NOVELTY - The method involves determining a proposed flight and maintenance schedule assignment based on a generated aircraft routing and scheduling proposal. The proposed assignments are checked to determine if they meet a decision criterion describing requirements for routing and scheduling. If the decision criterion is not met the assignments are optimized and corresponding plans are generated so that the criterion is met.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (a) an apparatus for route and schedule maintenance of aircraft
- (b) a computer readable medium for performing routing and schedule maintenance of aircraft.

USE - Used for routing and scheduling maintenance for vehicles.

ADVANTAGE - The optimized routing and scheduling maintenance model maximizes aircraft utilization, minimizes the amount of wasted remaining flying time and cycles between maintenance events.

DESCRIPTION OF DRAWING(S) - The drawing shows a network environment subjected to aircraft route and schedule maintenance method.

Route and schedule maintenance system 100

Fight management/operations system 102

Optimization processor 106

Plan and maintenance database 108

Information display system 112

ABSTRACTED-PUB-NO: US20030167110A

EQUIVALENT-ABSTRACTS:

CHOSEN-DRAWING: Dwg.1/3

DERWENT-CLASS: T01 T05

EPI-CODES: T01-J05A2B; T01-S03; T05-G01; T05-G02A;

[Previous Doc](#)

[Next Doc](#)

[Go to Doc#](#)

[First Hit](#)[Previous Doc](#)[Next Doc](#)[Go to Doc#](#)

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L30: Entry 1 of 2

File: PGPB

Oct 26, 2006

A
PGPUB-DOCUMENT-NUMBER: 20060238384
PGPUB-FILING-TYPE:
DOCUMENT-IDENTIFIER: US 20060238384 A1

TITLE: System and method for portable communication device in an aircraft

PUBLICATION-DATE: October 26, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Hess; Richard	Bellevue	WA	US
DeHerrera; Paul	Tucson	AZ	US
Eckmann; Brian	Seattle	WA	US
Gleason; Richard	Lacey	WA	US

APPL-NO: 11/321572 [PALM]
DATE FILED: December 28, 2005

RELATED-US-APPL-DATA:

us-provisional-application US 60642190 20050105

INT-CL-PUBLISHED:

TYPE	IPC	DATE	IPC-OLD
IPCP	G08G1/123	20060101	G08G001/123
IPCS	G08B21/00	20060101	G08B021/00
IPCS	H04H1/00	20060101	H04H001/00

INT-CL-CURRENT:

TYPE	IPC	DATE
CIPS	<u>G08 B 21/00</u>	20060101
CIPP	<u>G08 G 1/123</u>	20060101
CIPS	<u>H04 H 1/00</u>	20060101

US-CL-PUBLISHED: 340/995.14; 340/995.26, 455/003.01, 340/945

US-CL-CURRENT: ~~340/995.14~~; ~~340/945~~, ~~340/995.26~~, ~~455/3.01~~

ABSTRACT:

A system and method directed to providing a communication system for receiving data from sources outside the aircraft, storing the received information and then presenting the received information on a portable display device having a screen that may be read with the necessary information. The portable display device may interface with a docking station for receiving the data from a communication

management unit and then removed and passed freely among flight attendants or other personnel on the aircraft. Further, the portable display device may be interfaced with other docking stations in other parts of the aircraft to communicate with the communication management unit.

CROSS REFERENCE TO RELATED APPLICATION

[0001] This application claims priority from U.S. Provisional Application 60/642,190 titled, "SYSTEM AND METHOD FOR PORTABLE COMMUNICATION DEVICE IN AN AIRCRAFT," which was filed on Jan. 5, 2005, and which is incorporated by reference.

[Previous Doc](#)[Next Doc](#)[Go to Doc#](#)

Application
Number

IDS Flag Clearance for Application 10084313

Content	Mailroom Date	Entry Number	IDS Review	Last Modified	Reviewer
M844	2005-07-18	63	Y <input checked="" type="checkbox"/>	2005-08-04 17:16:09.0	ljohnson4
M844	2004-10-07	50	Y <input checked="" type="checkbox"/>	2004-11-09 13:04:47.0	mmiddleton
M844	2004-08-30	41	Y <input checked="" type="checkbox"/>	2004-09-20 10:44:31.0	mholmes
M844	2003-03-17	14	Y <input checked="" type="checkbox"/>	2003-04-11 16:23:05.0	sross
<input type="button" value="Update"/>					